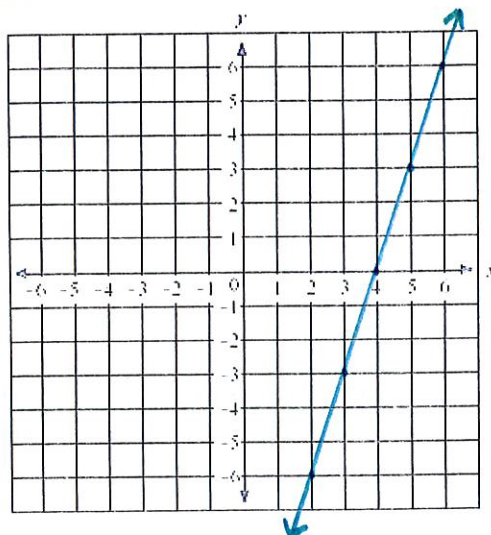


Name: \_\_\_\_\_

1. Given the line shown, carefully graph the line that is parallel and contains the point  $(-1, -4)$ . Write an equation for the parallel line you graphed.



2. Line A has equation  $y = 5x - 1$ . Line B is parallel to line A, and line B contains the point  $(4, -2)$ . Determine an equation for line B.

3. Determine which tables contain data representing a function with a proportional relationship. Write “yes” or “no” for each data set. If “yes”, then write an equation for the function.

a.

x	y
-16	4
-12	3
-8	2
-4	1
0	0

b.

x	y
1	2
2	3
3	4
4	5
5	6

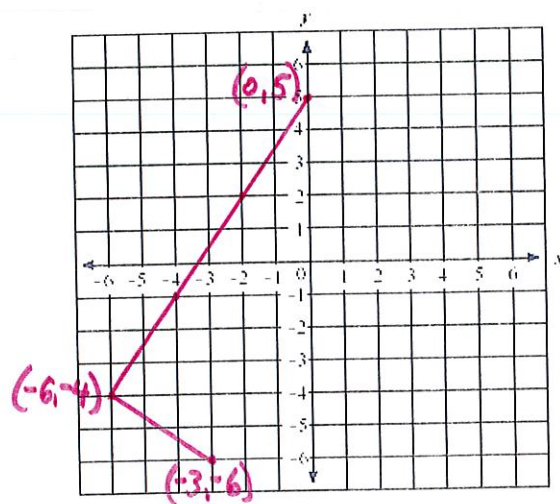
c.

x	y
-2	-1
-6	-3
-8	-4
-12	-6
-18	-9

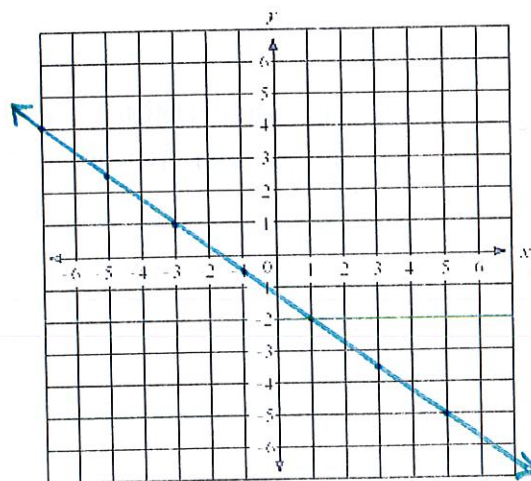
d.

x	Y
-4	-7
-2	-3
0	1
2	5
4	9

4. Carefully finish drawing the rectangle using slopes and given the information displayed in the graph shown. Write the coordinates of the fourth vertex or corner that you found.



5. Given the line shown, carefully graph the line that is perpendicular and contains the point  $(3, 0)$ . Write an equation for the perpendicular line you graphed.



6. Graph the two lines with equations given and determine the coordinates of the point of intersection. This point serves as the solution to the system of two equations.

$$2x - y = 5 \quad \& \quad y = \frac{-1}{2}x + 5$$

